

S E C R E T

TO : Secretary, Equipment Board (OC-QS/STB, Room 2D0114)

FROM: OC-O

REF : OS 64-358

Approve -

Disapprove -

Comments -

S E C R E T

S E C R E T

TO : Secretary, Equipment Board (OC-OS/CTB, Room 2D0114)

25X1A
FROM: [REDACTED]

REF : OS 64-358

Approve -

Disapprove -

Comments -

S E C R E T

S E C R E T

TO : Secretary, Equipment Board (OC-OS/CTB, Room 2D0114)

FROM: OC-P

REF: OS 64-358

Approve -

Disapprove -

Comments -

S E C R E T

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~~S E C R E T~~

TO : Secretary, Equipment Board (OC-OC/CTB, Room 210114)

FROM: Chief, OC-SPS

REF: OC 64-358

25X1A

Approve -

disapprove -

Comments - (initials)

~~S E C R E T~~

~~SECRET~~

~~SECRET~~

TO : Secretary, Equipment Board (OC-OS/CTB, Room 2D0114)

25X1A
FROM: [REDACTED]

REF : OS 64-358

Approve -

Disapprove -

Comments - [REDACTED]

25X1A

SECRET

TO : Secretary, Equipment Board (OC-QS/CTB, Room 2E0114)

FROM: Chief, DC-E

REF : 06 64-358

Approve - Yes

Disapprove -

Comments -



25X1A

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UNITED STATES GOVERNMENT

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Memorandum

OS M64-358

TO : Chairman, Equipment Board

DATE: 30 March 1964

FROM : Chief, Operations Support Staff, OC

SUBJECT: Procurement of New Equipment

1. Board approval for the procurement of the following items and in the quantities stated is requested:

<u>Quantity</u>	<u>Item</u>	<u>Estimated Unit Cost</u>	<u>Estimated Total Cost</u>
150	HG-48 Hand Generator	\$ 350.00	\$52,500.00
20	CK-28 Coder-Keyer	2500.00	50,000.00
25	CK-31 Coder-Keyer	800.00	20,000.00
10	[REDACTED]	1200.00	<u>12,000.00</u>
			Grand Total: \$134,500.00

25X1C

2. The HG-48 is a small, hand crank, 28-volt generator used either to charge 28-volt batteries or to power the RT-48 transmitter on-line. Its dimensions are $4\frac{7}{8} \times 2\frac{1}{2} \times 1\frac{7}{8}$ inches; its weight is $2\frac{1}{2}$ lbs. Although a total of only 110 RT-48 transmitters are being built, an improved version of this transmitter, the RT-59, is now being tested in prototype form and it is reasonably certain that at least 100 of these units will be procured. The HG-48 is compatible with the RT-57 and its BS-57 power supply. Fabrication, except for minor electronics, will be accomplished by an outside firm.

25X1C

3. The CK-28 is a coder-keyer developed by the laboratory. Its size is $3 \times 5\frac{1}{4} \times 1\frac{1}{4}$ inches and its weight is 1 lb. It is therefore approximately one-half the weight and two-thirds the size of the CO-8/KE-8/CA-3 combination. The CK-28 is numerical only and has a storage capacity of [REDACTED]. It is completely solid state, has no moving parts, and is silent in operation. About 75 per-cent of the work on this unit will be done at the OC laboratory.

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GROUP 1
Excluded from automatic
downgrading and
declassification

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Subject: Procurement of New Equipment

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4. The CK-31 is a [REDACTED] coder-keyer. Using many of the same components as the CK-28, it also has no moving parts and is silent in operation. Its size is 2 7/8 x 1 7/8 x 1 inches and its weight is about 6 oz. It allows the user to send a [REDACTED] message. As used in the RS-516, it keys a RT-42 VHF transmitter at 300 wpm. Conventional [REDACTED] receiving equipment is used for reception. It is planned to marry the CK-31 to the 1 cubic inch RT-57 transmitter (service test models of which are due in early May) in order to provide a system substantially smaller in size than the RS-516. About 75 per-cent of the work on this unit will be done at the OC laboratory, the remainder by a local contractor.

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